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GENERAL PROVISIONS

1. DEFINITIONS (ASPR 7-103.1 AFPI 7-403.1)

As used throughout this contract, the following terms have the meanings set forth below:

(a) The term "Secretary" means the Secretary, the Under Secretary, or any Assistant Secretary of the Department and the head or any assistant head of the executive agency; and the term "his duly authorized representative" means any person or persons or board (other than the Contracting Officer) authorized to act for the Secretary.

(b) The term "Contracting Officer" means the person executing this contract on behalf of the Government, and any other officer or civilian employee who is a properly designated Contracting Officer; and the term includes, except as otherwise provided in this contract, the authorized representative of a Contracting Officer acting within the limits of his authority.

(c) Except as otherwise provided in this contract, the term "subcontracts" includes purchase orders under this contract.

(d) (AFPI 7-303.1) The term "contract work" means all work to be performed under this contract including any studies covering fundamental, theoretical, or experimental investigations; any extension of the investigative findings and theories of a scientific or technical nature into practical application; any tangible items hereinafter referred to as "supplies," furnished to the Government; and any reports, data, computations, plans, drawings, and specifications with respect to any of the foregoing.

2. CHANGES (AFPI 7-403-2)

The Contracting Officer may at any time by a written order, make changes in or additions to the drawings and

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specifications, issue additional instructions, require additional work within the general scope of the contract, or change the place of delivery, method of shipment, or the amount of Government-Furnished property. If any such change causes an increase or decrease in the estimated cost of, or the time required for performance of this contract, or otherwise affects any other provision of this contract, an equitable adjustment shall be made (i) in the estimated cost or delivery schedule, or both, (ii) in the amount of any fixed fee to be paid to the Contractor, and (iii) in such other provisions of the contract as may be so affected, and the contract shall be modified in writing accordingly. Any claim by the Contractor for adjustment under this clause must be asserted within sixty (60) days from the date of receipt by the Contractor of the notification of change; Provided, however, That the Contracting Officer, if he decides that the facts justify such action, may receive and act upon any such claim asserted at any time prior to final payment under this contract. Failure to agree to any adjustment shall be a dispute concerning a question of fact within the meaning of the clause of this contract entitled "Disputes." However, nothing in this clause shall excuse the Contractor from proceeding with the contract as changed.

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Changes causing an increase or decrease of more than 4% in the estimated cost of the contract shall require the agreement of the Contractor.

3. LIMITATION OF COST (ASPR 7-203.3 AFPI 7-403.3)

(a) It is estimated that the total cost to the Government, exclusive of any fixed fee, for the performance of this contract will not exceed the estimated cost set forth in the Schedule, and the Contractor agrees to use its best efforts to perform the work specified in the Schedule and all obligations under this contract within such estimated cost. If at any time the Contractor has reason to believe that the costs which it expects to incur in the performance of this contract in the next succeeding thirty (30) days, when added to all costs previously incurred, will exceed eighty-five percent (85%) of the estimated cost then set forth in the Schedule, or if at any time, the Contractor has reason to believe that the total cost to the Government, exclusive of any fixed fee, for the performance of this contract will be substantially greater or less than the then estimated cost thereof, the Contractor shall notify the Contracting Officer in writing to that effect, giving its revised estimate of such total cost for the performance of this Contract.

(b) The Government shall not be obligated to reimburse the Contractor for costs incurred in excess of the estimated cost set forth in the Schedule and the Contractor shall not be obligated to continue performance under the contract or to incur costs in excess of the estimated cost set forth in the Schedule, unless and until the Contracting Officer shall have notified the Contractor in writing that such estimated cost has been increased and shall have specified in such notice a revised estimated cost which shall thereupon constitute the estimated cost of performance of this contract. When and to the extent that the estimated cost set forth in the Schedule has been increased, any cost incurred by the Contractor in excess of such estimated cost prior to the increase in estimated cost shall be allowable to the same extent as if such costs had been incurred after such increase in estimated cost.

4. RECORDS (ASPR 7-203.7 AFPI 7-403.7)

(a)(1) The Contractor agrees to maintain books, records, documents and other evidence pertaining to the costs and expenses of this contract

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(hereinafter collectively called the "records") to the extent and in such detail as will properly reflect all net costs, direct and indirect of labor, materials, equipment, supplies and services, and other costs and expenses of whatever nature for which reimbursement is claimed under the provisions of this contract. The Contractor's accounting procedures and practices shall be subject to the approval of the Contracting Officer; provided, however, that no material change will be required to be made in the Contractor's accounting procedures and practices if they conform to generally accepted accounting practices and if the costs properly applicable to this contract are readily ascertainable therefrom.

(2) The Contractor agrees to make available at the office of the Contractor at all reasonable times during the period set forth in subparagraph (4) below any of the records for inspection, audit or reproduction by an authorized representative of the Department.

(3) In the event the Contracting Officer or any of his duly authorized representatives determines that his audit of the amounts reimbursed under this contract as transportation charges will be made at a place other than the office of the Contractor, the Contractor agrees to deliver, with the reimbursement voucher covering such charges or as may be otherwise specified within two years after reimbursement of charges covered by any such voucher, to such representative as may be designated for that purpose through the Contracting Officer such documentary evidence in support of transportation costs as may be required by the Contracting Officer or any of his duly authorized representatives.

(4) Except for documentary evidence delivered to the Government pursuant to subparagraph (3) above, the Contractor shall preserve and make available its records for a period of six years (unless a longer period of time is provided by applicable statute) from the date of the voucher or invoice submitted by the Contractor after the completion of the work under the contract and designated by the Contractor as the "completion voucher" or "completion invoice" or, in the event this contract has been completely terminated, from the date of the termination settlement agreement; provided, however, the records which relate to (A) appeals under the clause of this contract entitled "Disputes," (B) litigation or the settlement of claims arising out of the performance of this contract, or (C) costs or expenses of the contract as to which exception has been taken by the Contracting Officer or any of his duly authorized representatives, shall be retained by the Contractor until such appeals, litigation, claims, or exceptions have been disposed of, but in no event for less than the six-year period mentioned above.

(5) Except for documentary evidence delivered pursuant to subparagraph (3) above, and the records described in the proviso of subparagraph (4) above, the Contractor may in fulfillment of its obligation to retain its records as required by this clause substitute photographs, microphotographs or other authentic reproductions of such records, after the expiration of two years following the last day of the month of reimbursement to the Contractor of the invoice or voucher to which such records relate, unless a shorter period is authorized by the Contracting Officer with the concurrence of the

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Comptroller of the Contracting Government Agency or his authorized representatives.

(6) The provisions of this paragraph (a), including this subparagraph (6), shall be applicable to and included in each subcontract hereunder which is on a cost, cost-plus-a-fixed-fee, time-and-material or labor-hour basis.

(b) The Contractor further agrees to include in each of his subcontracts hereunder, other than those set forth in subparagraph (a)(6) above, a provision to the effect that the subcontractor agrees that the Contracting Officer or any of his duly authorized representatives, shall, until the expiration of three years after final payment under the subcontract, have access to and the right to examine any directly pertinent books, documents, papers, and records of such subcontractor involving transactions related to the subcontract. The term "subcontract," as used in this paragraph (b) only excludes (i) purchase orders not exceeding \$1,000 and (ii) subcontracts or purchase orders for public utility services at rates established for uniform applicability to the general public.

5. SUBCONTRACTS (ASPR 7-203.8 APPI 7-403.8)

(a) The Contractor shall give advance notification to the Contracting Officer of any proposed subcontract hereunder which (i) is on a cost or cost-plus-a-fixed-fee basis, or (i) is on a fixed-price basis exceeding in dollar amount either \$25,000 or five percent (5%) of the total estimated cost of this contract.

(b) The Contractor shall not, without the prior written consent of the Contracting Officer, place any subcontract with (i) is on a cost or cost-plus-a-fixed-fee basis, or (ii) is on a fixed-price basis exceeding in dollar amount either \$25,000 or five percent (5%) of the total estimated cost of this contract, or (iii) provides for the fabrication, purchase, rental, installation or other acquisition, of any item of industrial facilities, or of special tooling, having a value in excess of \$5,000, or (iv) is on a time and material or labor-hour basis in excess of an estimated cost of \$5,000, or (v) involves research and development work in excess of an estimated cost of \$5,000. The Contracting Officer may, in his discretion, ratify in writing any such subcontract; such action shall constitute the consent of the Contracting Officer as required by this paragraph (b).

(c) The Contractor agrees that no subcontract placed under this contract shall provide for payment on a cost-plus-a-percentage-of-cost basis.

(d) The Contracting Officer may, in his discretion, specifically approve in writing any of the provisions of a subcontract. However, such approval or the consent of the Contracting Officer obtained as required by this clause shall not be construed to constitute a determination of the allowability of any cost under this contract, unless such approval specifically provides that it constitutes a determination of the allowability of such cost.

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(e) The Contractor shall give the Contracting Officer immediate notice in writing of any action or suit filed, and prompt notice of any claim made against the Contractor by any subcontractor or vendor which, in the opinion of the Contractor, may result in litigation, related in any way to this contract with respect to which the Contractor may be entitled to reimbursement from the Government.

(f) (AFPI - 7-203.8) The Contracting Officer may approve all or part of the Contractor's purchasing system and from time to time rescind or reinstate such approval. Such approval shall be deemed to fulfil the requirements for obtaining the Contracting Officer's consent to subcontracts as prescribed in paragraph (b) above.

6. UTILIZATION OF SMALL BUSINESS CONCERNS (ASPR 7-104.14 AFPI 7-403.9)

(a) It is the policy of the Government as declared by the Congress to bring about the greatest utilization of small business concerns which is consistent with efficient production.

(b) The Contractor agrees to accomplish the maximum amount of subcontracting to small business concerns that the Contractor finds to be consistent with the efficient performance of this contract.

7. EXCUSABLE DELAYS (ASPR 7-203.11 AFPI 7-303.10)

(a) The Contractor shall not be in default by reason of any failure in performance of this contract in accordance with its terms (including and failure by the Contractor to make progress in the prosecution of the work hereunder which endangers such performance) if such failure arises out of causes beyond the control and without the fault or negligence of the Contractor. Such causes include, but are not restricted to: acts of God or of the public enemy; acts of the Government; fires; floods, epidemics; quarantine restrictions; strikes; freight embargoes, unusually severe weather; and failure of subcontractors to perform or make progress due to such causes, unless the Contracting Officer shall have determined that the supplies or services to be furnished under the subcontract were obtainable from other sources and shall have ordered the Contractor in writing to procure such services or supplies from such other sources, and the Contractor shall have failed reasonably to comply with such order. Upon request of the Contractor, the Contracting Officer shall ascertain the facts and extent of such failure and, if he shall determine that such failure was occasioned by any one or more of the said causes, the delivery schedule shall be revised accordingly, subject to the rights of the Government under the clause hereof entitled "Termination".

(b) If the Contractor becomes unable to complete the contract work and make delivery at the time specified in the Schedule because of technical difficulties, notwithstanding the exercise of good faith and diligent efforts in the performance of the work called for hereunder, it may give the Contracting Officer written notice of the

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anticipated default with reasons therefor. Such notice and reasons shall be delivered not less than forty-five (45) days before the completion date specified in the Schedule or within such time as the Contracting Officer deems sufficient. If such notice is duly given, then to the extent the interest of the Government makes an extension desirable, and this contract shall then be modified in writing accordingly.

8. DISPUTES (ASPR 7-103.12 APPI 7-403.12)

Except as otherwise provided in this contract, any dispute concerning a question of fact arising under this contract which is not disposed of by agreement shall be decided by the Contracting Officer, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the Contractor. Within 30 days from the date of receipt of such copy, the Contractor may appeal by mailing or otherwise furnishing to the Contracting Officer a written appeal addressed to the Secretary, and the decision of the Secretary or his duly authorized representative for the hearing of such appeals shall, unless determined by a court of competent jurisdiction to have been fraudulent or capricious or arbitrary or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence, be final and conclusive; provided that, if no such appeal is taken, the decision of the Contracting Officer shall be final and conclusive. In connection with any appeal proceeding under this clause, the Contractor shall be afforded an opportunity to be heard and to offer evidence in support of its appeal. Pending final decision of a dispute hereunder, the Contractor shall proceed diligently with the performance of the contract and in accordance with the Contracting Officer's decision. This clause shall be binding upon all subcontractors under this contract who shall be equally bound to submit to the decision of the Contracting Officer and the decision of the Secretary or his duly authorized representative as above specified.

9. NOTICE AND ASSISTANCE REGARDING PATENT INFRINGEMENT (ASPR 9-104 APPI 7-404.13)

The provisions of this clause shall be applicable only if the amount of this contract is in excess of \$5,000.

(a) The Contractor shall report to the Contracting Officer, promptly and in reasonable written detail, each notice or claim of patent infringement based on the performance of this contract of which the Contractor has knowledge.

(b) In the event of litigation against the Government on account of any claim of patent infringement arising out of the performance of this contract or out of the use of any supplies furnished or work or services performed hereunder, the Contractor shall furnish to the Government, upon request, all evidence and information in possession of the Contractor pertaining to such litigation. Such evidence and information shall be furnished at the expense of the Government except in those cases in which the Contractor has agreed to indemnify the Government against the claim being asserted.

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10. BUY AMERICAN ACT (ASPR 7-103.14 AFPI 7-403.14)

The Contractor agrees that there will be delivered under this contract only such unmanufactured articles, materials and supplies (which term "article, materials, and supplies" is hereinafter referred to in this clause as "supplies") as have been mined or produced in the United States, and only such manufactured supplies as have been manufactured in the United States substantially all from supplies mined, produced, or manufactured, as the case may be, in the United States. Pursuant to the Buy American Act (41 U.S. Code 10a-d), the foregoing provision shall not apply (i) with respect to supplies excepted by the Secretary from the application of that Act, (ii) with respect to supplies for use outside the United States, or (iii) with respect to the supplies to be delivered under this contract which are of a class or kind determined by the Secretary or his duly authorized representative not to be mined, produced, or manufactured, as the case may be, in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality, or (iv) with respect to such supplies, from which the supplies to be delivered under this Contract are manufactures, as are of a class or kind determined by the Secretary or his duly authorized representative not to be mined, produced, or manufactured, as the case may be, in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality: Provided, That this exception (iv) shall not permit delivery of supplies manufactured outside the United States if such supplies are manufactured in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality.

11. CONVICT LABOR (ASPR 12-203 AFPI 7-403.15)

In connection with the performance of work under this contract, the Contractor agrees not to employ any person undergoing sentence of imprisonment at hard labor.

12. EIGHT-HOUR LAW OF 1912 (ASPR 12-303.1 AFPI 7-403.16)

This contract, to the extent that it is of a character specified in the Eight-Hour Law of 1912 as amended (40 U.S. Code 324-326 and is not covered by the Walsh-Healey Public

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Contracts Act (41 U.S. Code 35-45), is subject to the following provisions and exceptions of said Eight-Hour Law of 1912 as amended, and to all other provisions and exceptions of said law:

No laborer or mechanic doing any part of the work contemplated by this contract, in the employ of the Contractor or any subcontractor contracting for any part of the said work, shall be required or permitted to work more than eight hours in any one calendar day upon such work, except upon the condition that compensation is paid to such laborer or mechanic in accordance with the provisions of this clause. The wages of every such laborer and mechanic employed by the Contractor or any subcontractor engaged in the performance of this contract shall be computed on a basic day rate of eight hours per day; and work in excess of eight hours per day is permitted only upon the condition that every such laborer and mechanic shall be compensated for all hours worked in excess of eight hours per day at not less than one and one-half times the basic rate of pay. For each violation of the requirements of this clause a penalty of five dollars shall be imposed upon the Contractor for each such laborer or mechanic for every calendar day in which such employee is required or permitted to labor more than eight hours upon said work without receiving compensation computed in accordance with this clause; and all penalties thus imposed shall be withheld for the use and benefit of the Government.

13. NONDISCRIMINATION IN EMPLOYMENT (ASPR 12-802 AFPI 7-403.17)

(a) In connection with the performance of work under this contract, the Contractor agrees not to discriminate against any employee or applicant for employment because of race, religion, color, or national origin. The aforesaid provision shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post hereafter in conspicuous places, available for employees and applicants for employment, notices to be provided by the Contracting Officer setting forth the provisions of the nondiscrimination clause.

(b) The Contractor further agrees to insert the foregoing provision in all subcontracts hereunder, except subcontracts for standard commercial supplies or raw materials.

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14. OFFICIALS NOT TO BENEFIT (ASPR 7-103.19 AFPI 7-403.18)

No member of or delegate to Congress, or resident commissioner, shall be admitted to any share or part of this contract, or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

15. COVENANT AGAINST CONTINGENT FEES (ASPR 7-103.20 AFPI 7-403.19)

The Contractor warrants that no person or selling agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the Contractor for the purpose of securing business. For breach or violation of this warranty the Government shall have the right to annul this contract without liability or in its discretion to deduct from the contract price or consideration the full amount of such commission, percentage, brokerage or contingent fee.

16. PATENT RIGHTS (ASPR 9-107 AFPI 7-403.20)

(a) As used in this clause, the following terms shall have the meanings set forth below:

(1) The term "Subject Invention" means any invention, improvement or discovery (whether or not patentable) conceived or first actually reduced to practice either (A) in the performance of the experimental, developmental, or research work called for or required under this contract, or (B) in the performance of any experimental, developmental, or research work relating to the subject matter of this contract which was done upon an understanding in writing that a contract would be awarded; provided that the term "Subject Invention" shall not include any invention which is specifically identified and listed in the Schedule for the purpose of excluding it from the license granted by this clause.

(11) The term "Technical Personnel" means any person employed by or working under contract with the Contractor (other than a subcontractor whose responsibilities with respect to rights accruing to the Government in inventions arising under subcontracts are set forth in paragraphs (g), (h), and (i) of this clause) who, by reason of the nature of his duties in connection with the performance of this contract, would reasonably be expected to make inventions.

(111) The terms "subcontract" and subcontractor" mean any subcontract or subcontractor of the Contractor, and any lower-tier

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subcontract or subcontractor under this contract.

(b)(1) The Contractor agrees to and does hereby grant to the Government an irrevocable, nonexclusive, nontransferable, and royalty-free license to practice, and cause to be practiced by or for the United States Government throughout the world, each Subject Invention in the manufacture, use and disposition according to law, of any article or material, and in the use of any method. No license granted herein shall convey any right to the Government to manufacture, have manufactured, or use any Subject Invention for the purpose of providing services or supplies to the general public in competition with the Contractor or the Contractor's commercial licensees in the licensed fields.

(2) With respect to:

(i) any Subject Invention made by other than Technical Personnel:

(ii) any Subject Invention conceived prior to, but first actually reduced to practice in the course of, and of the experimental, developmental, or research work specified in (a)(1) above; and

(iii) the practice of any Subject Invention in foreign countries, the obligation of the Contractor to grant a license as provided in (b)(1) above, to convey title as provided in (d)(ii)(B) or (d)(iv) below, and to convey foreign rights as provided in (e) below, shall be limited to the extent of the Contractor's right to grant the same without incurring any obligation to pay royalties or other compensation to others solely on account of said grant. Nothing contained in this Patent Rights clause shall be deemed to grant any license under any invention other than a Subject Invention.

(c) The Contractor shall furnish to the Contracting Officer the following information and reports concerning Subject Invention which reasonably appears to be patentable:

(i) a written disclosure promptly after conception or first actual reduction to practice of each such Invention together with a written statement specifying whether or not a United States patent application claiming the Invention has been or will be filed by or on behalf of the Contractor;

(ii) interim reports, at least every twelve months commencing with the date of this contract, each listing all such Inventions conceived or first actually reduced to practice more than three months prior to the date of the report, and not listed on a prior interim report, or certifying that there are no such unreported Inventions; and

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(iii) prior to final settlement of this contract, a final report listing all such Inventions including all those previously listed in interim reports.

(d) In connection with each Subject Invention referred to in (c)(1) above, the Contractor shall do the following:

(i) if the Contractor specifies that a United States patent application claiming such Invention will be filed, the Contractor shall file or cause to be filed such application in due form and time; however, if the Contractor, after having specified that such an application would be filed, decides not to file or cause to be filed said application, the Contractor shall so notify the Contracting Officer at the earliest practicable date and in any event not later than eight months after first publication, public use or sale.

(ii) if the Contractor specifies that a United States patent application claiming such Invention has not been filed and will not be filed (or having specified that such an application will be filed thereafter notifies the Contracting Officer to the contrary), the Contractor shall:

(A) inform the Contracting Officer in writing at the earliest practicable date of any publication of such Invention made by or known to the Contractor or, where applicable, of any contemplated publication by the Contractor, stating the date and identity of such publication or contemplated publication; and

(B) convey to the Government the Contractor's entire right, title, and interest in such Invention by delivering to the Contracting Officer upon written request such duly executed instruments (prepared by the Government) of assignment and application, and such other papers as are deemed necessary to vest in the Government the Contractor's right, title and interest aforesaid, and the right to apply for and prosecute patent applications covering such Invention throughout the world, subject, however, to the right of the Contractor specified in (e) below to file foreign applications, and subject further to the reservation of a non-exclusive and royalty-free license to the Contractor (and to its existing and future associated and affiliated companies, if any, within the corporate structure of which the Contractor is a part) which license shall be assignable to the successor of that part of the Contractor's business to which such Invention pertains;

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(iii) the Contractor shall furnish promptly to the Contracting Officer on request an irrevocable power of attorney to inspect and make copies of each United States patent application filed by or on behalf of the Contractor covering any such Invention;

(iv) in the event the Contractor, or those other than the Government deriving rights from the Contractor, elects not to continue prosecution of any such United States patent application filed by or on behalf of the Contractor, the Contractor shall so notify the Contracting Officer not less than sixty days before the expiration of the response period and, upon written request, deliver to the Contracting Officer such duly executed instruments (prepared by the Government) as are deemed necessary to vest in the Government the Contractor's entire right, title, and interest in such Invention and the application, subject to the reservation as specified in (d)(ii) above; and

(v) the Contractor shall deliver to the Contracting Officer duly executed instruments fully confirmatory of any license rights herein agreed to be granted to the Government.

(e) The Contractor, or those other than the Government deriving rights from the Contractor, shall have the exclusive rights to file applications on Subject Inventions in each foreign country within:

(i) nine months from the date a corresponding United States application is filed;

(ii) six months from the date permission is granted to file foreign applications where such filing had been prohibited for security reasons; or

(iii) such longer period as may be approved by the Contracting Officer. The Contractor shall, upon written request of the Contracting Officer, convey to the Government the Contractor's entire right, title, and interest in each Subject Invention in each foreign country in which an application has not been filed within the time above specified, subject to the reservation of a non-exclusive and royalty-free license to the Contractor together with the right of the Contractor to grant sublicenses, which license and right shall be assignable to the successor of that part of the Contractor's business to which the Subject Invention pertains.

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(f) If the Contractor fails to deliver to the Contracting Officer the interim reports required by (c)(ii) above, or fails to furnish the written disclosures for all Subject Inventions required by (c)(i) above shown to be due in accordance with any interim report delivered under (c)(ii) or otherwise known to be unreported, there shall be withheld from payment until the Contractor shall have corrected such failures either ten per cent (10%) of the amount of this contract, as from time to time amended, or five thousand dollars (\$5,000), whichever is less. After payment of eighty per cent (80%) of the amount of this contract, as from time to time amended, payment shall be withheld until a reserve of either ten per cent (10%) of such amount, or five thousand dollars (\$5,000), whichever is less, shall have been set aside, such reserve or balance thereof to be retained until the Contractor shall have furnished to the Contracting Officer:

(i) the final report required by (c)(iii) above;

(ii) written disclosures for all Subject Inventions required by (c)(i) above which are shown to be due in accordance with interim reports delivered under (c)(ii) above or in accordance with such final reports or are otherwise known to be unreported; and

(iii) the information as to any subcontractor required by (h) below. The maximum amount which may be withheld under this paragraph (f) shall not exceed ten per cent (10%) of the amount of this contract or five thousand dollars (\$5,000), whichever is less, and no amount shall be withheld under this paragraph (f) when the amount specified by this paragraph (f) is being withheld under other provisions of this contract. The withholding of any amount or subsequent payment thereof to the Contractor shall not be construed as a waiver of any rights accruing to the Government under this contract. This paragraph (f) shall not be construed as requiring the Contractor to withhold any amounts from a subcontractor to enforce compliance with patent provisions of a subcontract.

(g) The Contractor shall exert all reasonable effort in negotiating for the inclusion of this Patent Rights clause in any subcontract hereunder of three thousand dollars (\$3,000) or more having experimental, developmental, or research work as one of its purposes. In the event of refusal by a subcontractor to accept the Patent Rights clause, the Contractor shall not proceed with the subcontract without written authorization of the Contracting Officer, and upon obtaining such authorization, shall cooperate with the Government in the negotiation with such subcontractor of an acceptable patent rights clause; provided, however, that the Contractor shall in any event require the subcontractor to grant to the Government patent rights under Subject Inventions of no less scope and

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on no less favorable terms than those which the Contractor has under such subcontracts, except that in no event shall the subcontractor be required to grant to the Government patent rights in excess of those herein agreed to be granted to the Government by the Contractor.

(h) The Contractor shall, at the earliest practicable date, notify the Contracting Officer in writing of any subcontract containing a patent rights clause, furnish the Contracting Officer a copy of such clause, and notify the Contracting Officer when such subcontract is completed. It is understood that with respect to such subcontract clause, the Government is a third party beneficiary, and the Contractor hereby assigns to the Government all the rights that the Contractor would have to enforce the subcontractor's obligations for the benefit of the Government with respect to Subject Inventions. The Contractor shall not be obligated to enforce the agreements of any subcontractor hereunder relating to Subject Inventions.

(i) When the Contractor shows that it has been delayed in the performance of this contract by reason of its inability to obtain in accordance with (g) above a suitable patent rights clause from a qualified subcontractor for any item or service required under this contract for which the Contractor itself does not have available facilities or qualified personnel, the Contractor's delivery dates shall be extended for a period of time equal to the duration of such delay; and, upon request of the Contractor, the Contracting Officer shall determine to what extent, if any, an additional extension of the delivery dates and an increase in contract prices based upon additional cost incurred by such delay are proper under the circumstances; and the contract shall be modified accordingly. If the Contractor, after exerting all reasonable effort, is unable to obtain a qualified subcontractor as set forth above, the Contractor may submit to the Contracting Officer a written request for waiver or modification of the requirement that a suitable patent rights clause be included in the subcontract.

Such request shall specifically state that the Contractor has used all reasonable effort to obtain such qualified subcontractor, and shall cite the waiver or termination provision hereinafter set forth. If, within thirty-five (35) days after the date of receipt of such request for a waiver or modification of said requirement, the Contracting Officer shall fail to deny in writing such request, the requirement shall be deemed to have been waived by the Government. If within such period the Contractor shall receive a written denial of such request by the Contracting Officer, this contract shall thereupon automatically terminate and the rights and obligations of the parties shall be governed by the provisions of the clause of this contract providing for termination for the convenience of the Government.

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17. * INSURANCE-LIABILITY TO THIRD PERSONS (ASPR 7-203.22 AFPI 7-403.22)

(a) The Contractor shall procure and thereafter maintain workmen's compensation, employer's liability, comprehensive general liability (bodily injury) and comprehensive automobile liability (bodily injury and property damage) insurance, with respect to performance under this contract, and such other insurance as the Contracting Officer may from time to time require with respect to performance under this contract; provided, that the Contractor in fulfillment of its obligation to procure workmen's compensation insurance may, with the approval of the Contracting Officer and pursuant to statutory authority, maintain a self-insurance program. All insurance required pursuant to the provisions of this paragraph shall be in such form, in such amounts, and for such periods of time as the Contracting Officer may from time to time require or approve, and with insurers approved by the Contracting Officer. When an overhead rate is approved which includes charges for bonds, insurance pensions or retirement plans, such rate constitutes approval within the meaning of this clause.

(b) The Contractor agrees, to the extent and in the manner required by the Contracting Officer, to submit for the approval of Contracting Officer any other insurance maintained by the Contractor in connection with the performance of this contract and for which the Contractor seeks reimbursement hereunder.

(c) The Contractor shall be reimbursed: (i) for the portion allocable to this contract of the reasonable cost of insurance as required or approved pursuant to the provisions of this clause, and (ii) for liabilities to third persons for loss or for damage to property (other than property (A) owned, occupied or used by the Contractor or rented to the Contractor or (B) in the care, custody, or control of the Contractor), or for death or bodily injury, not compensated by insurance or otherwise, arising out of the performance of this contract, whether or not caused by the negligence of the Contractor, its agents, servants or employees, provided such liabilities are represented by final judgments or by settlements approved in writing by the Government, and expenses incidental to such liabilities, except liabilities (I) for which the Contractor is otherwise responsible under the express terms of the clause or clauses, if any, specified in the Schedule, or (II) with respect to which the Contractor has failed to insure as required or maintain insurance as approved by Contracting Officer or (III) which results from willful misconduct or lack of good faith on the part of any of its managers, superintendents, or other equivalent representatives, who have supervision or direction of (1) all or substantially all of the Contractor's business, or (2) all or substantially all of the Contractor's operations at any one plant or separate location in which this contract is being performed, or (3) a separate and complete major industrial operation in connection with the performance of this contract. The foregoing shall not restrict the right of the Contractor to be reimbursed for the cost of insurance maintained by the Contractor in connection with the performance of this contract, other than insurance required to be submitted for approval or required to be procured

and maintained pursuant to the provisions of this clause, provided such cost would constitute Allowable Costs under the clause of this contract entitled "Allowable Cost and Payment".

(d) The Contractor shall give the Government or its representatives immediate notice of any suit or action filed, or prompt notice of any claim made, against the Contractor arising out of the performance of this contract, the cost and expense of which may be reimbursable to the Contractor under the provisions of this contract, and the risk of which is then uninsured or in which the amount claimed exceeds the amount of coverage. The Contractor shall furnish immediately to the Government copies of all pertinent papers received by the Contractor. If the amount of the liability claimed exceeds the amount of coverage, the Contractor shall authorize representatives of the Government to collaborate with counsel for the insurance carrier, if any, in settling or defending such claim. If the liability is not insured or covered by bond, the Contractor shall, if required by the Government, authorize representatives of the Government to settle or defend any such claim and to represent the Contractor in or take charge of any litigation in connection therewith; provided, however, that the Contractor may, at its own expense, be associated with the representatives of the Government in the settlement or defense of any such claim or litigation.

18. AUTHORIZATION AND CONSENT (ASPR 9-102.2 AFPI 7-403.23)

The Government hereby gives its authorization and consent for all use and manufacture of any patented invention of the performance of this contract or any part hereof or any amendment hereto or any subcontract hereunder (including any lower-tier subcontract).

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19. FILING OF PATENT APPLICATIONS (ASPR 9-104 AFPI 7-404.3)

(a) Before filing or causing to be filed a patent application disclosing any subject matter of this contract, which subject matter is classified "Secret" or higher, the Contractor shall, citing the thirty (30) day provision below, transmit the proposed application to the Contracting Officer for determination whether, for reasons of national security, such application should be placed under an order of secrecy or sealed in accordance with the provisions of 35 U. S. Code 181-188 or the issuance of a patent should be otherwise delayed under pertinent statutes or regulations; and the Contractor shall observe any instructions of the Contracting Officer with respect to the manner of delivery of the patent application to the U. S. Patent Office for filing, but the Contractor shall not be denied the right to file such patent application. If the Contracting Officer shall not have given any such instructions within thirty (30) days from the date of mailing or other transmittal of the proposed application, the Contractor may file the application.

(b) The Contractor shall furnish to the Contracting Officer, at the time of or prior to the time when the Contractor files or causes to be filed a patent application disclosing any subject matter of this contract, which subject matter is classified "Confidential", a copy of such application for determination whether, for reasons of national security, such application should be placed under an order of secrecy or the issuance of a patent should be otherwise delayed under pertinent statutes or regulation.

(c) In filing any patent application coming within the scope of this clause, the Contractor shall observe all applicable security regulations covering the transmission of classified subject matter.

20. REPORTING OF ROYALTIES (ASPR 9-103 AFPI 7-404.4)

The provisions of this clause shall be applicable only if the amount of the contract is in excess of \$50,000.

(a) The Contractor shall report in writing (in quadruplicate) to the Contracting Officer as soon as practicable after execution of this contract whether or not any royalties

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in excess of \$250 have been paid or are to be paid by the Contractor directly to any person or firm in connection with the performance of this contract. If royalties in excess of \$250 have been paid or are to be paid to any person or firm, the report shall include the following items of information with respect to such royalties (including the initial \$250):

(1) The name and address of each licensor to whom royalties in excess of \$250 have been paid or are to be paid,

(2) The patent numbers, patent application serial numbers (with filing dates), or other identification of the basis for such royalties,

(3) The manner of computing the royalties consisting of (i) a brief identification of each royalty-bearing unit or process, (ii) the total amount of royalties, and (iii) the percentage rate or dollars and cents amount of royalties on each such unit or process, provided that if the royalties cannot be computed in terms of units or dollars and cents value, then other data showing the manner in which the Contractor computes the royalties.

(b) In lieu of furnishing a report under paragraph (a), the Contractor may furnish a single, consolidated report for each accounting period of the Contractor during which the Contractor has contracts with the Government, provided the Contractor has requested and obtained the prior written approval of the Contracting Officer. Such consolidated reports shall be furnished, when the furnishing thereof has been approved, in the number of copies as approved, as soon as practicable after the close of the accounting period covered by the report. Such consolidated report shall be made in accordance with Contractor's established accounting practice and shall include, for the accounting period, the total amount of royalties accruing to each licensor at a rate in excess of \$1,000 per annum on the Contractor's over-all business, together with (i) the name and address of each such licensor, (ii) the patent numbers, patent application serial numbers (with filing dates), or other identification

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of the basis for such royalties, (iii) a brief description of the subject matter of the license under which royalties are charged, (iv) the percentage rate or unit amount, or if the royalties do not accrue by rate or unit amount, such other data showing the manner by which the royalties accrue to licensor, and (v) an estimate or approximation (without detailed accounting) of the portion of such royalties that may be attributable to Government contracts. The Contractor shall, if requested by the Government, furnish at Government expense a more detailed allocation of such royalty payments attributable to Government contracts.

(c) In the event that the Contractor requests written approval to furnish consolidated reports under paragraph (b) above, the Contracting Officer shall promptly consider the request and furnish to the Contractor a letter stating whether or not the request is approved and, notwithstanding any such approval, the Contracting Officer shall have the right to question any such subsequently furnished report as to accuracy or completeness of data and to ask for additional information. The Contractor shall furnish a copy of such letter of approval to the Contracting Officer administering this contract.

(d) After payment of eighty per cent (80%) of the amount of this contract, as from time to time amended, further payment shall be withheld until a reserve of either (i) ten per cent (10%) of such amount or (ii) \$5,000, whichever is less, shall have been set aside, such reserve or the balance thereof to be retained until the Contractor shall have furnished to the Contracting Officer the report called for by paragraph (a) hereof of the copy of the letter approving the Contractor's request to furnish the report under paragraph (b); provided that no amount shall continue to be withheld from payment for the causes specified in this paragraph (d) if the Contracting Officer shall find that the Contractor has not been furnished a letter as required by paragraph (c) within a reasonable time after making written request to submit a single, consolidated report under the provisions of paragraph (b) of this clause; and provided further that the Contracting Officer may, in his discretion, order payment to be withheld in the amount and manner above provided if the report called for by paragraph (a) is unsatisfactory or the report called for by paragraph (b) is due but has not been received, or if received, is found to be unsatisfactory. No amount shall be withheld under this paragraph when the minimum amount specified by this paragraph is being withheld under other provisions of this contract. The withholding of any amount or subsequent payment thereof to the Contractor shall not be construed as a waiver of any right accruing to the Government under this contract.

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21. RIGHTS IN DATA-UNLIMITED (ASPR 9-203.1 APPI 7-404.5)

(a) The term "Subject Data" as used herein includes writings, sound recordings, pictorial reproductions, drawings or other graphical representations, and works of any similar nature (whether or not copyrighted) which are specified to be delivered under this contract. The term does not include financial reports, cost analyses and other information incidental to contract administration.

(b) Subject to the proviso of (c) below, the Government may duplicate, use, and disclose in any manner and for any purpose whatsoever, and have others so do all Subject Data delivered under this contract, provided also that the Contractor may obtain a copyright on material produced by it or its personnel working under this contract.

(c) The Contractor agrees to and does hereby grant to the Government, and to its officers, agents, and employees acting within the scope of their official duties, a royalty-free, non-exclusive and irrevocable license throughout the world, to publish, translate, reproduce, deliver, perform, dispose of and to authorize others so to do, all Subject Data now or hereafter covered by copyright; PROVIDED that with respect to such Subject Data not originated in the performance of this contract but which is incorporated in the work furnished under this contract but which is incorporated in the work furnished under this contract such license shall be only to the extent that the Contractor, its employees, or any individual or concern specifically employed or assigned by the Contractor to originate and prepare such Data under this contract, now has, or prior to completion or final settlement of this contract may acquire the right to grant such license without becoming liable to pay compensation to others solely because of such grant.

(d) The Contractor shall exert all reasonable effort to advise the Contracting Officer, at the time of delivery of the Subject Data furnished under this contract, of all invasions of the right of privacy contained therein and of all portions of such Data copied from work not composed or produced in the performance of this contract and not licensed under this clause.

(e) The Contractor shall report to the Contracting Officer, promptly and in reasonable written detail, each notice or claim of copyright infringement received by the Contractor with respect to all Subject Data delivered under this contract.

(f) Nothing contained in this clause shall imply a license to the Government under any patent or be construed as affecting the scope of any license or other right otherwise granted to the Government under any patent.

(g) The Contractor shall not affix any restrictive markings upon any Subject Data, and if such markings are affixed, the Government shall have the right at any time to modify, remove, obliterate or ignore any such marking.

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22. WALSH-HEALEY PUBLIC CONTRACTS ACT (ASPR 12-604 AFPI 7-404.8)

If this contract is for the manufacture or furnishing of materials, supplies, articles or equipment in an amount which exceeds or may exceed \$10,000 and is otherwise subject to the Walsh-Healey Public Contracts Acts as amended (41 U.S. Code 35-45), there are hereby incorporated by reference all representations and stipulations required by said Act and regulations issued thereunder by the Secretary of Labor, such representations and stipulations being subject to all applicable rulings and interpretations of the Secretary of Labor which are now or may hereafter be in effect.

23. GRATUITIES (ASPR 7-104.16 AFPI 7-404.9)

(a) The Government may, by written notice to the Contractor, terminate the right of the Contractor to proceed under this contract if it is found, after notice and hearing, by the Secretary or his duly authorized representative, that gratuities (in the form of entertainment, gifts, or otherwise) were offered or given by the Contractor, or any agent or representative of the Contractor, to any officer or employee of the Government with a view toward securing a contract or securing favorable treatment with respect to the awarding or amending, or the making of any determinations with respect to the performing of such contract; provided, that the existence of the facts upon which the Secretary or his duly authorized representative makes such findings shall be in issue and may be reviewed in any competent court.

(b) In the event this contract is terminated as provided in paragraph (a) hereof, the Government shall be entitled (i) to pursue the same remedies against the Contractor as it could pursue in the event of a breach of the contract by the Contractor, and (ii) as a penalty in addition to any other damages to which it may be entitled by law, to exemplary damages in an amount (as determined by the Secretary or his duly authorized representative) which shall be not less than three nor more than ten times the costs incurred by the Contractor in providing any such gratuities to any such officer or employee.

(c) The rights and remedies of the Government provided in this clause shall not be exclusive and are in addition to any other rights and remedies provided by law or under this contract.

24. FLIGHT RISK (ASPR 7-104.1 AFPI 7-404.10)

(a) As used in this clause the term "Operation" includes tests of aircraft, tests of equipment and accessories installed therein, and the operation of any power plant installed therein, whether or not the aircraft is in motion during the making of any such test or operation of any such power plant.

(b) Notwithstanding the provisions of paragraph (f) of the clause of this contract captioned "Government Property," the Contractor shall be liable for loss and destruction of and damage to

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aircraft (including equipment and accessories installed therein), to which the Government has title pursuant to the provisions of this contract or otherwise occurring in the course of operations of such aircraft conducted by the Contractor in the performance of this contract unless personnel flying planes in such operations are furnished by the Government or are approved in writing by the Air Material Area Commander having administrative responsibility for this contract, or his representative to whom such authority has been delegated. The provisions of this clause shall supersede any provisions of applicable Air Force specifications insofar as such specifications relate to Contractor's liability in connection with such operations.

(c) If prior to final acceptance by the Government, any aircraft, as referred to in paragraph (b), are lost, destroyed, or damaged during such operation, and if the risk of such loss, damage, or destruction is borne by the Government under paragraph (f) of the clause hereof entitled "Government Property," the Government may terminate this contract with respect to such aircraft, or in case such aircraft is damaged, the Government may require the Contractor to restore such aircraft to the condition in which it was immediately prior to such damage. If the Government terminates this contract with respect to such aircraft, the Contractor shall deliver to the Government at the place at or from which such operation is conducted all or such parts of such aircraft as the Contracting Officer may designate. If the Government requires the aircraft to be restored as aforesaid, an equitable adjustment shall be made in the estimated cost and fixed-fee, if any, and in the time required for its performance, and the contract shall be modified in writing accordingly.

(d) Any dispute that may arise under the provisions of this clause shall be determined as provided in the clause hereof entitled "Disputes."

25. INSPECTION

Services, material and workmanship furnished hereunder are subject to inspection and test by the Government. The Contractor will permit Government personnel free access to its property to make such inspection and test and will furnish the supplies, facilities and services needed for this purpose.

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26. ALLOWABLE COST AND PAYMENT

(a) For the performance of this contract, the Government shall pay to the Contractor the cost thereof determined by the Contracting Officer to be allowable in accordance with Part 3 of Section XV of the Armed Services Procurement Regulation as in effect on the date of this contract and the schedule (hereinafter referred to as "Allowable Cost"). It being understood and agreed, without limiting the generality of the foregoing, the following shall be considered as allowable items of cost hereunder when incurred or paid by the Contractor and when necessary and required and used for the performance of the work hereunder:

(1) **Salaries and Wages.** Expenditures by the Contractor for the salaries and wages of its personnel and borrowed personnel directly engaged in the performance of work hereunder and properly allocable thereto including salaries and wages for vacation and sick leave pay of its personnel pursuant to the established practice of the Contractor, plus Federal and State social security taxes paid by the Contractor and properly allocable to such salaries and wages: PROVIDED, HOWEVER, That the premium portion of overtime wage payments shall be an allowable item of cost hereunder only if and to the extent that the overtime work for which such payments are made shall have been expressly authorized in writing by the contracting officer.

(2) **Materials and Services.** Expenditures by the Contractor for such materials, supplies, apparatus, tooling, equipment, technical books and manuals, and other articles (including processing and testing thereof by others and rental of apparatus and equipment from others) properly allocable to performance of the work hereunder and for the services of others not reimbursed under subparagraph (1), as are necessary for performance of its undertakings hereunder.

(3) **Communication and Shipping.** Expenditures by the Contractor necessary for performance of its undertakings hereunder for long-distance telephone calls, telegrams, cablegrams, radiograms, postage, freight, express, and drayage.

(4) **Travel.** Expenditures by the Contractor for transportation of the persons directly engaged in the performance of the work hereunder of potential personnel brought to and from Cambridge for interviews, of a new employee and his family brought to Cambridge, of an employee hired

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on a temporary basis returned to a place not more distant than that from which he entered the employment of the Contractor, and for moving costs of a new employee and his family to Cambridge, and in the case of an employee hired on a temporary basis to a place not more distant than that from which he entered the Contractor's employment; plus, as provided in the Schedule, either reasonable actual subsistence expenses or per diem: Provided, that the expense for transportation hereunder by motor vehicle, other than common carrier or rented automobile shall be reimbursed on the actual cost basis, or, at the Contractor's option, on a mileage basis at a rate not exceeding eight (8) cents per mile per vehicle, in lieu of the actual expenses of such transportation. Provided also that subsistence or per diem shall be provided a new employee and each member of his family only if such employee comes from outside the Boston area and only up to a maximum of 30 days for as many days as he actually has not obtained a permanent residence, and provided further that minors shall be allowed only half of the per diem rate allowed adult members of the family. In the event that the Contractor sets up sites outside Cambridge, employees required to move to such sites for a period of over six months shall be treated as new employees within the meaning of this clause.

(5) Subcontracts. Expenditures by the Contractor representing payment to subcontractors performing any contract work hereunder.

(6) Government-Owned or Rented Equipment. Expenditures by the contractor hereunder for protection and maintenance of Government-owned or of rented equipment.

(7) Rearrangement or Relocation. Notwithstanding paragraph (m) of the clause hereof entitled "Government Property," expenditures by the contractor for rearrangement or relocation of facilities or plant sites or for restoring such facilities or plant sites to substantially the same condition as prior to such rearrangement or relocation; PROVIDED, HOWEVER, That in the event the contractor elects to retain the benefit of such rearrangement or relocation, the contractor shall return to or credit the Government with the portion of the reimbursement by the Government for its expenditure therefor determined by negotiation between the contractor and the contracting officer to be fair and proper.

(8) Overhead. Such amounts representing Contractor's overhead costs determined in accordance with the clause of the contract entitled "Negotiated Overhead Rates".

(b) Contractor shall exercise due diligence to secure materials and services at the most advantageous prices available, having due regard to quality.

(c) Once each month, or at more frequent intervals, if approved by the Contracting Officer, the Contractor may submit to an authorized representative of the Contracting Officer, in such form and reasonable detail as such representative may require, an invoice or public voucher

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supported by a statement of cost incurred by the Contractor in the performance of this contract and claimed to constitute "Allowable Cost". Each statement of cost shall be certified by an officer or other responsible official of the Contractor authorized by it to certify such statements.

(d) As promptly as may be practicable after receipt of each invoice or voucher and statement of cost, the Government shall, except as hereinafter provided and subject to the provisions of paragraph (e) below, make payment thereon as approved by the Contracting Officer. After payment of eighty (80) per cent of the total estimated cost of performance of this contract, as from time to time amended, further payment on account of "Allowable Cost" shall be withheld until a reserve of either (i) one (1) per cent of such total estimated cost, or (ii) \$10,000, whichever amount is less, shall have been set aside, such reserve or the balance thereof to be retained until the execution and delivery of a release by the Contractor as provided in paragraph (f) hereof. The Government's obligation to pay promptly is limited only by the foregoing reserve and if an audit is desired by the Government in accordance with paragraph (e) hereof, the Government shall pay promptly on a provisional basis.

(e) At any time or times prior to final payment under this contract, the Contracting Officer may cause to be made such audit of the invoice or vouchers and statements of cost as shall be deemed necessary. Each payment theretofore made shall be subject to reduction to the extent of amounts included in the related invoice or voucher and statement of cost which are found by the Contracting Officer on the basis of such units not to constitute "Allowable Cost" and shall also be subject to reduction for overpayments or to increase for underpayments on preceding invoices or vouchers. On receipt of the voucher or invoice designated by the Contractor as the "completion voucher" or "completion invoice" and statement of cost, which shall be submitted by the Contractor as promptly as may be practicable following completion of the work under this contract but in no event later than one (1) year (or such longer period as the Contracting Officer may, in his discretion, approve in writing) from the date of such completion, and following compliance by the Contractor with all provisions of this contract (including, without limitation, provisions relating to patents and the provisions of pars. (f) and (g) of this clause), the Government shall as promptly as may be practicable pay any balance of "Allowable Cost".

(f) The Contractor shall execute and deliver at the time of and as a condition precedent to final payment under this contract, a release discharging the Government, its officers, agents, and employees of and from all liabilities, obligations, and claims arising out of or under this contract, subject only to the following exceptions:

(1) Specified claims in stated amounts or in estimated amounts where the amounts are not susceptible of exact statement by the Contractor.

(2) Claims, together with reasonable expenses incidental thereto, based upon the liabilities of the Contractor to third parties arising out of the performance of the contract, which are not known to the Contractor on the date of the execution of the release, and of which the Contractor

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gives notice in writing to the Contracting Officer not more than six (6) years after the date of the release or the date of any notice to the Contractor that the Government is prepared to make final payment whichever is earlier.

(3) Claims for reimbursement of costs including reasonable expenses incidental thereto, incurred by the Contractor under the provisions of the contract relating to patents.

(g) The Contractor agrees that any refunds, rebates, or credits (including any interest thereon) accruing to or received by the Contractor which arise out of the performance of this contract and on account of which the Contractor has received reimbursement shall be paid by the Contractor to the Government. The Contractor shall execute and deliver at the time of and as a condition precedent to final payment under this contract, an assignment to the Government of refunds, rebates, or credits (including any interest thereon) arising out of the performance of this contract, in form and substance satisfactory to the Contracting Officer. Reasonable expenses incurred by the Contractor for the purpose of securing any such refunds, rebates or credits shall constitute "Allowable Cost" when approved by the Contracting Officer.

(h) Any cost incurred by the Contractor under the terms of this contract which would constitute "Allowable Cost" under the provisions of this clause shall be included in determining the amount payable under this contract, notwithstanding any provisions contained in the specifications or other documents incorporated in this contract by reference, designating services to be performed or materials to be furnished by the Contractor at its expense or without cost to the Government.

27. ASSIGNMENTS PROHIBITED

Neither this contract, nor any interest therein, nor any claim arising hereunder, shall be transferred or assigned by the Contractor to any other person.

28. TERMINATION FOR THE CONVENIENCE OF THE GOVERNMENT

(a) The performance of work under this contract may be terminated, in whole or from time to time in part, by the Government whenever for any reason the Contracting Officer shall determine that such termination is in the best interests of the Government. Termination of work hereunder shall be effected by delivery to the Contractor of a Notice of Termination specifying the extent to which performance of work under the contract is terminated and the date upon which such termination becomes effective.

(b) After receipt of the Notice of Termination the Contractor shall cancel its outstanding commitments hereunder covering the procurement of materials, supplies, equipment and miscellaneous items.

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In addition the Contractor shall exercise all reasonable diligence to accomplish the cancellation or diversion of its outstanding commitments covering personal services and extending beyond the date of such termination to the extent that they relate to the performance of any work terminated by the notice. With respect to such cancelled commitments the Contractor agrees to (i) settle all outstanding liabilities and all claims arising out of such cancellation of commitments, with the approval or ratification of the Contracting Officer, to the extent he may require, which approval or ratification shall be final for all purposes of this clause, and (ii) assign to the Government, in the manner, at the time, and to the extent directed by the Contracting Officer, all of the right, title and interest of the Contractor under the Orders and Subcontracts so terminated, in which case the Government shall have the right, in its discretion, to settle or pay any or all claims arising out of the termination of such orders and subcontracts.

(c) The Contractor shall submit its termination claim to the Contracting Officer promptly after receipt of a Notice of Termination, but in no event later than two years from the effective date thereof, unless one or more extensions in writing are granted by the Contracting Officer upon written request of the Contractor within such two year period or authorized extension thereof. Upon failure of the Contractor to submit its termination claim within the time allowed, the Contracting Officer may determine, on the basis of information available to him, the amount, if any, due to the Contractor by reason of the Termination and shall thereupon pay to the Contractor the amount so determined.

(d) Any determination of costs under paragraph (c) shall be governed by the cost principles set forth in paragraph 8-406 of Section VIII of the Armed Services Procurement Regulation, as in effect on the date of this contract.

(e) Subject to the provisions of paragraph (c) above, the Contractor and the Contracting Officer may agree upon the whole or any part of the amount or amounts to be paid to the Contractor by reason of the termination under this clause, which amount or amounts may include any reasonable cancellation charges thereby incurred by the Contractor and any reasonable loss upon outstanding commitments for personal services which it is unable to cancel; PROVIDED, however, that in connection with any outstanding commitments for personal services which the Contractor is unable to cancel, the Contractor shall have exercised reasonable diligence to divert such commitments to its other activities and operations. Any such agreement shall be embodied in an amendment to this contract and the Contractor shall be paid the agreed amount.

(f) The Government shall from time to time, under such terms and conditions as it may prescribe, make partial payments up to within ninety (90%) percent of the estimated cost against costs incurred by the Contractor in connection with the terminated portion of this contract whenever, in the opinion of the Contracting Officer, the aggregate of such payments is within the amount to which the Contractor will be entitled hereunder. If the total of such payments is in excess of the

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amount finally agreed or determined to be due under this clause, such excess shall be payable by the Contractor to the Government upon demand, provided that if such excess is not so paid upon demand, interest thereon shall be payable by the Contractor to the Government at the rate of 6% per annum, beginning 30 days from the date of such demand.

(g) The Contractor agrees to transfer title and deliver to the Government, in the manner, at the time and to the extent, if any, directed by the Contracting Officer, such information and items which, if the contract had been completed, would have been required to be furnished to the Government, including (i) completed or partially completed plans, drawings, and information, and (ii) materials or equipment produced or in process or acquired in connection with the performance of the work terminated by the notice. Other than the above any termination inventory resulting from the termination of the contract may, with the written approval of the Contracting Officer, be sold or acquired by the Contractor under the conditions prescribed by and at a price or prices approved by the Contracting Officer. The proceeds of any such disposition shall be applied in reduction of any payments to be made by the Government to the Contractor under this contract or shall otherwise be credited to the price or cost of work covered by this contract or paid in such other manner as the Contracting Officer may direct. Pending final disposition of property arising from the termination, the Contractor agrees to take such action as may be necessary, or as the Contracting Officer may direct for the protection and preservation of the property related to this contract which is in the possession of the Contractor and in which the Government has or may acquire an interest.

(h) Any disputes as to questions of fact which may arise hereunder shall be subject to the "Disputes" clause of this contract.

29. GOVERNMENT PROPERTY

(a) The Government shall deliver to the Contractor, for use in connection with and under the terms of this contract, the property described in this contract, together with such related data and information as the Contractor may request and as may reasonably be required for the intended use of such property (hereinafter referred to as "Government-furnished Property"). The delivery or performance dates for the supplies or services to be furnished by the Contractor under this contract are based upon the expectation that Government-furnished Property suitable for use will be delivered to the Contractor at the times stated in the Schedule of this contract or, if not so stated, in sufficient time to enable the Contractor to meet such delivery or performance dates. In the event that Government-furnished Property is not delivered to the Contractor by such time or times, the Contracting Officer shall, upon timely written request made by the Contractor, make a determination of the delay occasioned the Contractor and shall equitably adjust the estimated cost, fixed fee, or delivery or performance dates, or both, and any other contractual provisions affected by such delay. In the

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event that the Government-furnished Property is received by the Contractor in a condition not suitable for the intended use, the Contractor shall, upon receipt thereof, notify the Contracting Officer of such fact and, as directed by the Contracting Officer, either (i) return such property at the Government's expense or otherwise dispose of such property, or (ii) effect repairs or modifications. Upon completion of (i) or (ii) above, the Contracting Officer upon timely written request of the Contractor shall equitably adjust the estimated cost, or delivery or performance dates, or both, and any other contractual provision affected by the return, disposition, repair or modification. The foregoing provisions for adjustment are exclusive and the Government shall not be liable to suit for breach of contract by reason of any delay in delivery of Government-furnished Property or delivery of such property in a condition not suitable for its intended use.

(b) The Government may deliver to the Contractor Government-furnished Property in addition to that set forth in the contract. Upon such delivery this contract may be amended, if appropriate, to accomplish an equitable adjustment in its terms and provisions.

(c) Title to all property furnished by the Government shall remain in the Government. Title to all property purchased by the Contractor, for the cost of which the Contractor is to be reimbursed as a direct item of cost under this contract, shall pass to and vest in the Government upon delivery of such property by the vendor. Title to other property, the cost of which is to be reimbursed to the Contractor under this contract, shall pass to and vest in the Government upon (i) issuance for use of such property in the performance of this contract, or (ii) commencement of processing or use of such property in the performance of this contract, or (iii) reimbursement of the cost thereof by the Government, whichever first occurs. All Government-furnished Property, together with all property acquired by the Contractor, title to which vests in the Government under this paragraph, are subject to the provisions of this clause and are hereinafter collectively referred to as "Government Property".

(d) Title to the Government property shall not be affected by the incorporation or attachment thereof to any property not owned by the Government, nor shall such Government property, or any part thereof, be or become a fixture or lose its identity as personalty by reason of affixation to any realty.

(e) The Government property provided or furnished pursuant to the terms of this contract shall, unless otherwise provided herein and except as may be otherwise approved by the Contracting Officer, be used only for the performance of this contract.

(f) The Contractor shall maintain and administer in accordance with sound business practice a program for the maintenance, repair, protection and preservation of Government property so as to assure its full availability and usefulness for the performance of this contract. The Contractor shall take all reasonable steps to comply with all appropriate directions or instructions which the Contracting Officer may prescribe as

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reasonably necessary for the protection of the Government property.

(g) The provisions of Part III, Appendix C, Armed Services Procurement Regulation, Manual for Control of Government Property in Possession of Non-Profit Research and Development Contractors, as in effect on the date of this contract, are herein incorporated by reference and made a part of this contract. The Contractor agrees to comply with the provisions thereof relating to the keeping of property control records, identification and marking, segregation and commingling, taking of inventories, and control of salvage and scrap, and the Contractor also accepts the responsibilities set forth in said Part III with respect to Government property.

(h) The Contractor agrees to make available to authorized representatives of the Contracting Officer at all reasonable times at the office of the Contractor all of its property records under this contract, and access to any premises where any of the Government property is located.

(i)(1) The Contractor shall not be liable for any loss of or damage to the Government property, or for expenses incidental to such loss or damage, except that the Contractor shall be responsible for any such loss or damage (including expenses incidental thereto):

(i) which results from willful misconduct or lack of good faith on the part of any of the Contractor's directors or officers, or on the part of any of its managers, superintendents, or other equivalent representatives, who has supervision or direction of all or substantially all of the Contractor's business, or all or substantially all of the Contractor's operations at any one plant, laboratory, or separate location in which this contract is being performed;

(ii) which results from a failure on the part of the Contractor, due to the willful misconduct or lack of good faith on the part of any of its directors, officers, or other representatives mentioned in subparagraph (i) above, (A) to maintain and administer, in accordance with sound business practice, the program for maintenance, repair, protection and preservation of Government property as required by subparagraph (f) above, or (B) to take all reasonable steps to comply with any appropriate written directions of the Contracting Officer under subparagraph (f) above;

(iii) for which the Contractor is otherwise responsible under the express terms of the clause or clauses designated in the schedule;

(iv) which results from a risk expressly required to be insured under some other provision of this contract, but only to the extent of the insurance so required to be procured and maintained, or to the extent of insurance actually procured and maintained, whichever is greater; or

(v) which results from a risk which is in fact covered by insurance

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or for which the Contractor is otherwise reimbursed, but only to the extent of such insurance or reimbursement; provided that, if more than one of the above exceptions shall be applicable in any case, the Contractor's liability under any one exception shall not be limited by any other exception.

(2) The Contractor shall not be reimbursed for, and shall not include as an item of overhead, the cost of insurance, or any provision for a reserve, covering the risk of loss of or damage to the Government property, except to the extent that the Government may have required the Contractor to carry such insurance under any other provision of this contract.

(3) Upon the happening of loss or destruction of or damage to the Government property, the Contractor shall notify the Contracting Officer thereof, and shall communicate with the Loss and Salvage Organization, if any, now or hereafter designated by the Contracting Officer, and with the assistance of the Loss and Salvage Organization so designated (unless the Contracting Officer has designated that no such organization be employed), shall take all reasonable steps to protect the Government property from further damage, separate the damaged and undamaged Government property, put all the Government property in the best possible order, and furnish to the Contracting Officer a statement of:

(i) The lost, destroyed and damaged Government property,

(ii) The time and origin of the loss, destruction or damage,

(iii) All known interests in commingled property of which the Government property is a part, and

(iv) The insurance, if any, covering any part of or interest in such commingled property.

The Contractor shall make repairs and renovations of the damaged Government property or take such other action as the Contracting Officer directs.

(4) In the event the Contractor is indemnified, reimbursed, or otherwise compensated for any loss or destruction of or damage to the Government property, it shall use the proceeds to repair, renovate or replace the Government property involved or shall credit such proceeds against the cost of the work covered by the contract, or shall otherwise reimburse the Government, as directed by the Contracting Officer. The Contractor shall do nothing to prejudice the Government's right to recover against third parties for any such loss, destruction or damage and, upon the request of the Contracting Officer, shall, at the Government's expense, furnish to the Government all reasonable assistance and cooperation (including assistance in the prosecution of suit and the execution of instruments of assignment in favor of the Government) in obtaining recovery.

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(5) In the event any aircraft are to be furnished under this contract, any loss or destruction of, or damage to, such aircraft or other Government property occurring in connection with operations of said aircraft will be governed by the clause of this contract captioned "Flight Risks", to the extent such clause is, by its terms, applicable.

(j) The Government property shall remain in the possession of the Contractor for such period of time as is required for the performance of this contract unless the Contracting Officer determines that the interests of the Government shall promptly take such action as the Contracting Officer may direct with respect to the removal and shipping of Government property. In any such instance, the contract may be amended to accomplish an equitable adjustment in the terms and provisions.

(k) Upon completion or expiration of this contract, any Government property which has not been consumed in the performance of this contract, or which has not been disposed of as hereinafter provided in subparagraph (l) of this clause, or for which the Contractor has not otherwise been relieved of responsibility, shall be disposed of in the same manner, and subject to the same procedures, as is provided in subparagraph (g) of the clause of this contract entitled "Termination for the Convenience of the Government" with respect to termination inventory. The proceeds of any such disposition shall be applied in reduction of any payments to be made by the Government to the Contractor under this contract, or shall otherwise be credited to the cost of the work covered by this contract, or shall be paid in such other manner as the Contracting Officer may direct. Pending final disposition of such property, the Contractor agrees to take such action as may be necessary, or as the Contracting Officer may direct, for the protection and preservation thereof.

(l) If the Contracting Officer determines that the interests of the Government require removal of any Government property, or if the Contractor determines any Government property to be in excess of its needs under this contract, such Government property shall be disposed of in the same manner as provided by subparagraph (k) above. In the event that the Contracting Officer requires the removal of any Government property under this subparagraph (l) or subparagraph (k) above, the direct cost to the Contractor of such removal and of any property damage occasioned thereby shall constitute an allowable cost hereunder.

(m) Unless otherwise provided herein, the Government shall not be under any duty or obligation to restore or rehabilitate, or to pay the costs of the restoration or rehabilitation of the Contractor's plant or any portion thereof which is affected by the removal of any Government property.

(n) Directions of the Contracting Officer and communications of the Contractor issued pursuant to this clause shall be in writing.

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30. MILITARY SECURITY REQUIREMENTS

(a) The provisions of this clause shall apply to the extent that this contract involves access to information classified under Military Security Requirement (a). The provision of this clause shall apply to the extent that this contract involves access to information classified "Confidential" including "Confidential-Modified Handling Authorized" or higher.

(b) The Government shall notify the contractor of the security classification of this contract and the elements thereof, and of any subsequent revisions in such security classification, by the use of a Security Requirement Checklist (DD Form 254).

(c) To the extent the Government has indicated as of the date of this contract, or thereafter indicates, security classification under this contract as provided in paragraph (b) above, the Contractor, except as otherwise provided in this clause, shall safeguard all classified elements of this contract and shall provide and maintain a system of security controls within its own organization in accordance with the requirements of (i) the Department of Defense Industrial Security Manual for Safeguarding Classified Security Information as in effect on the date of this contract, which manual is hereby incorporated by reference and made a part of this contract; and (ii) any amendments to said manual required by the demands of national security as determined by the Government and made after the date of this contract, notice of which has been furnished to the contractor by the Contracting Officer.

(d) Designated representatives of the Government responsible for inspection pertaining to industrial security shall have the right to inspect at reasonable intervals the procedures, methods, and facilities utilized by the Contractor in complying with the requirements of the terms and conditions of this clause. Should the Government, through its authorized representative, determine that the Contractor has not complied with such requirements, the Government shall inform the Contractor in writing of the proper actions to be taken in order to effect compliance with such requirements.

(e) In the event a change in security requirements, as provided in paragraphs (b) and (c), results (i) in a change in the security classification of this contract or any element thereof from a non-classified status to a classified status or from a lower classification to a higher classification, or (ii) in more restrictive area controls than previously required, the Contractor shall exert every reasonable effort compatible with its established policies to continue the performance of work under the contract in compliance with such change in security classification or requirements. If, despite such reasonable efforts, the Contractor determines that the continuation of work under this contract is not practicable because of such change in security classification or requirements, it shall so notify the Contracting Officer in writing.

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(f) After receiving such written notification, the Contracting Officer shall explore the circumstances surrounding the proposed change in security classification or requirements and shall endeavor to work out a mutually satisfactory method whereby the Contractor can continue performance of the work under this contract.

(g) If, upon the expiration of fifteen (15) days after receipt by the Contracting Officer of such written notification, (i) the application to this contract of such change in security classification or requirements has not been withdrawn, or (ii) a mutually satisfactory method for continuing performance of work under this contract has not been agreed upon, the Contractor may request the Contracting Officer to terminate the contract in whole or in part. Thereupon, the Contracting Officer shall terminate the contract in whole or in part, as may be appropriate, and such termination shall be deemed a termination under the provisions of the clause of this contract entitled "Termination for the Convenience of the Government".

(h) The Contractor agrees to insert, in all subcontracts hereunder which involve access to classified information, provisions which shall conform substantially to the language of this clause, including this paragraph (h), but excluding paragraphs (e), (f), and (g) of this clause.

(i) The Contractor also agrees that it shall determine that any subcontractor proposed by it for the furnishing of supplies and services which will involve access to classified information in the Contractor's custody has been granted an appropriate facility security clearance which is still in effect, prior to being accorded access to such classified information.

31. NEGOTIATED OVERHEAD RATES

(a) Notwithstanding the provisions of the clause of this contract entitled "Allowable Cost and Payment," the allowable indirect costs under this contract shall be obtained by applying negotiated overhead rates to bases agreed upon by the parties, as specified below.

(b) The Contractor, as soon as possible but not later than six (6) months after the expiration of each period specified in the Schedule, shall submit to the Contracting Officer a proposed final overhead rate or rates for that period based on the Contractor's cost experience during that period, together with supporting cost data. Negotiation of final overhead rates by the Contractor and the Contracting Officer shall be undertaken as promptly as practicable after receipt of the Contractor's proposal.

(c) Allowability of costs and acceptability of cost allocated methods shall be determined in accordance with ASPR, Section XV, Part 3, as in effect on the date of this contract.

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(d) The results of each negotiation shall be set forth in an amendment to this contract, which shall specify (i) the agreed final rates, (ii) the bases to which the rates apply, (iii) the periods for which the rates apply, and (iv) the specific items treated as direct costs or any changes in the items previously agreed to be direct costs.

(e) Pending establishment of final overhead rates for any period, the Contractor shall be reimbursed either at negotiated provisional rates as provided in the Schedule or at billing rates acceptable to the Contracting Officer, subject to appropriate adjustment when the final rates for that period are established. To prevent substantial over or under payment, the provisional or billing rates may, at the request of either part, be revised by mutual agreement, either retroactively or prospectively. Any such revision of negotiated provisional rates provided in the Schedule shall be set forth in an amendment to this contract.

(f) Any failure by the parties to agree on any final rate or rates under this clause shall be considered a dispute concerning a question of fact for decision by the Contracting Officer within the meaning of the clause of this contract entitled "Disputes".